

Superabsorbent foam, production and use

Abstract

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Superabsorbent foam comprising superabsorbent fiber and/or fruit fiber, processes for producing superabsorbent foam having improved wet strength by foaming a crosslinkable aqueous mixture comprising at least 50 mol% neutralized acid-functional

- 10 monoethylenically unsaturated monomer or at least one basic polymer, crosslinker, superabsorbent synthetic fiber and/or fruit fiber and at least one surfactant and subsequently polymerizing the monomer in the foamed mixture or crosslinking the basic polymer to form a hydrogel foam and use of the thus obtainable
- 15 foam in hygiene articles to absorb body fluids, in dressing material to cover wounds, as a sealing material, as a packaging material, as a soil improver, as a soil substitute, to dewater sludges, to thicken waterborne paints or coatings in the course of disposing of residual quantities thereof, to dewater
- 20 water-containing oils or hydrocarbons or as a material for filters in ventilation systems.

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